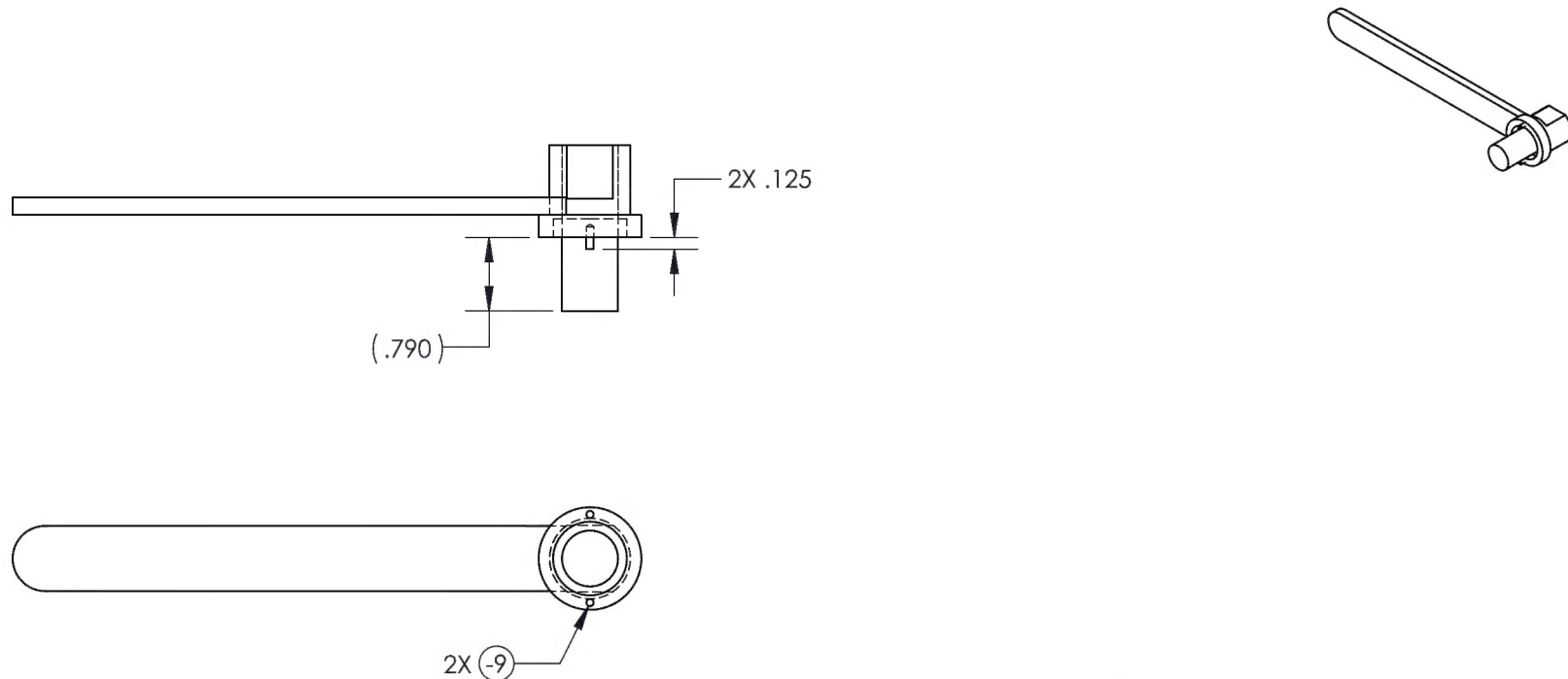


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0214	ADDED NOTE 1 SHEET 1. -1 CH'D WELD CALLOUT WAS FILLET WELD TOP & BOTTOM IS FILLET WELD TOP AND BEVEL WELD BOTTOM, CH'D FINISH WAS CAD PLATE YELLOW IS ZINC PLATE SPEC ASTM B633 TYPE 1 SC2, CH'D DWG. TO SHEET METAL TOLERANCE. -3 & -5 CH'D MATERIAL WAS 4140 Q&T IS 4140/4142, ADDED HEAT TREAT RC 28-34. -3 CH'D DIM WAS Ø.5995/.5988 IS Ø.5995/.5988 (P.F. -9) WAS 2X Ø.07875/.07850 ∇ .115 IS 2X Ø.0786/.0782 ∇ .12 (P.F. -9), WAS \perp Ø.790 ∇ .200 IS \perp Ø.79 ∇ .20. -5 DELETED DIM .09 X 45°, 5.93, CH'D DIM WAS (.1875) IS .19, WAS 6.18 IS (6.18), ADDED DIM 6.18, 5.75. -7 CH'D DIM WAS Ø.6004/.6000 IS Ø.6004/.6000 (P.F. -3).	11/7/2016	RJC	SM



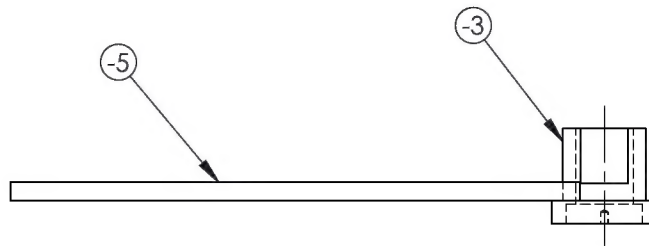
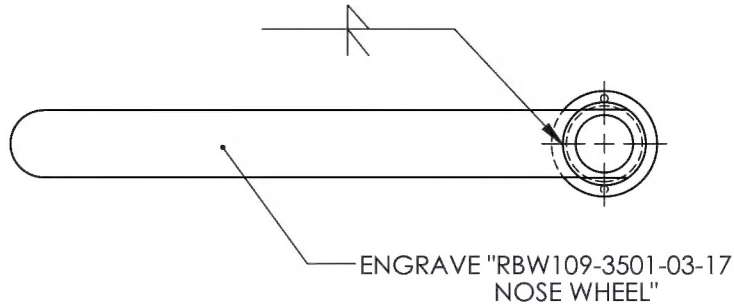
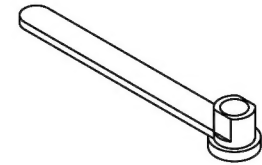
NOTE:
1. REF. AGUSTA T/N 109-3501-03-17.
2. USED IN KIT RBW109-3501-03-1.

DART AEROSPACE																	
TITLE WRENCH ASSY																	
DWG NO. RBW109-3501-03-17	REV 2																
<table border="1"> <tr> <td>MAT'L HEAT TREAT FINISH</td> <td>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125°</td> </tr> <tr> <td>SPEC</td> <td>1. BREAK ALL SHARP EDGES .015 x 45° OR .015R</td> </tr> <tr> <td>DRAWN BY: GILBERT</td> <td>2. DIMENSIONAL LIMITS APPLY AFTER PLATING</td> </tr> <tr> <td>CHECKED: DUERFELDT</td> <td>3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009</td> </tr> <tr> <td>OPPS APPR: ANDERSON</td> <td>USED ON MODEL</td> </tr> <tr> <td>QA APPR: LINDSAY</td> <td>AW109</td> </tr> <tr> <td>APPROVED: MACKOVJAK</td> <td></td> </tr> <tr> <td>SCALE 1:2</td> <td>DATE 4/5/2011</td> </tr> </table>		MAT'L HEAT TREAT FINISH	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125°	SPEC	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	DRAWN BY: GILBERT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING	CHECKED: DUERFELDT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	OPPS APPR: ANDERSON	USED ON MODEL	QA APPR: LINDSAY	AW109	APPROVED: MACKOVJAK		SCALE 1:2	DATE 4/5/2011
MAT'L HEAT TREAT FINISH	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125°																
SPEC	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R																
DRAWN BY: GILBERT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING																
CHECKED: DUERFELDT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009																
OPPS APPR: ANDERSON	USED ON MODEL																
QA APPR: LINDSAY	AW109																
APPROVED: MACKOVJAK																	
SCALE 1:2	DATE 4/5/2011																

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
	X		-1	1	WELDMENT			2
	1		-3		BASE	4140/4142		3
	1		-5		HANDLE	4140/4142		4
			-7	1	PIN	6061		5
		B/O	-9	2	DOWEL PIN	STEEL	Ø2mm X 6mm (MCMASTER-CARR #91595A020)	1
	ASSY -1							

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0214	-1 CH'D WELD CALLOUT WAS FILLET WELD TOP & BOTTOM IS FILLET WELD TOP AND BEVEL WELD BOTTOM. CH'D FINISH WAS CAD PLATE YELLOW IS ZINC PLATE SPEC ASTM B633 TYPE 1 SC2, CH'D DWG. TO SHEET METAL TOLERANCE.	11/7/2016	RJC	SM

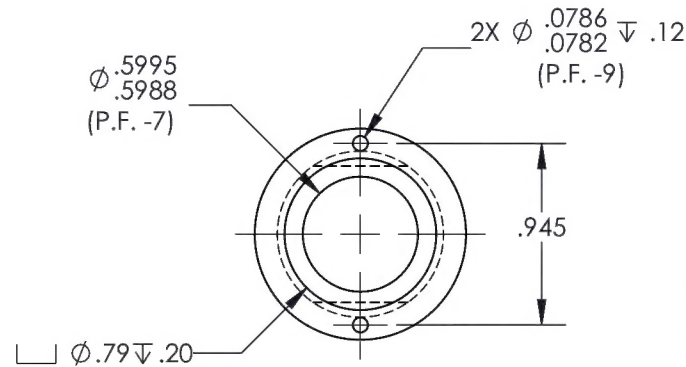
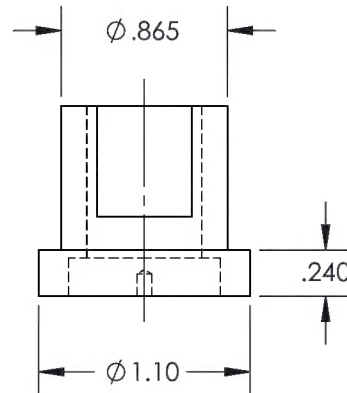
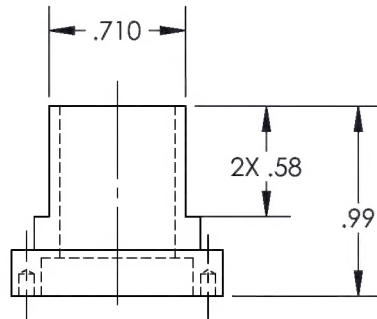
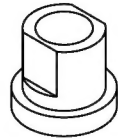


(-1)
WELDMENT

DART AEROSPACE	
TITLE WRENCH ASSY	
DWG NO. RBW109-3501-03-17-1	REV 2
MAT'L ZINC PLATE	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT ZINC PLATE	.XXX ± .010 FRACTIONS ± 1/8
FINISH ZINC PLATE	.XX ± .03 ANGLES ± 1°
SPEC ASTM B633 TYPE 1 SC 2	.X ± .1 SURFACES = 125°
DRAWN BY: GILBERT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: MACKOVJAK	AW109
SCALE 1:2	DATE 4/5/2011
SHEET 2 OF 5	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0214	-3 CH'D DIM WAS $\varnothing .5995/.5988$ IS $\varnothing .5995/.5988$ (P.F. -9) WAS 2X $\varnothing .07875/.07850 \pm .115$ IS 2X $\varnothing .0786/.0782 \pm .12$ (P.F. -9), WAS $\sqcup \varnothing .790 \pm .200$ IS $\sqcup \varnothing .79 \pm .20$, CH'D MATERIAL WAS 4140 Q&T IS 4140/4142, ADDED HEAT TREAT RC 28-34.	11/7/2016	RJC	SM



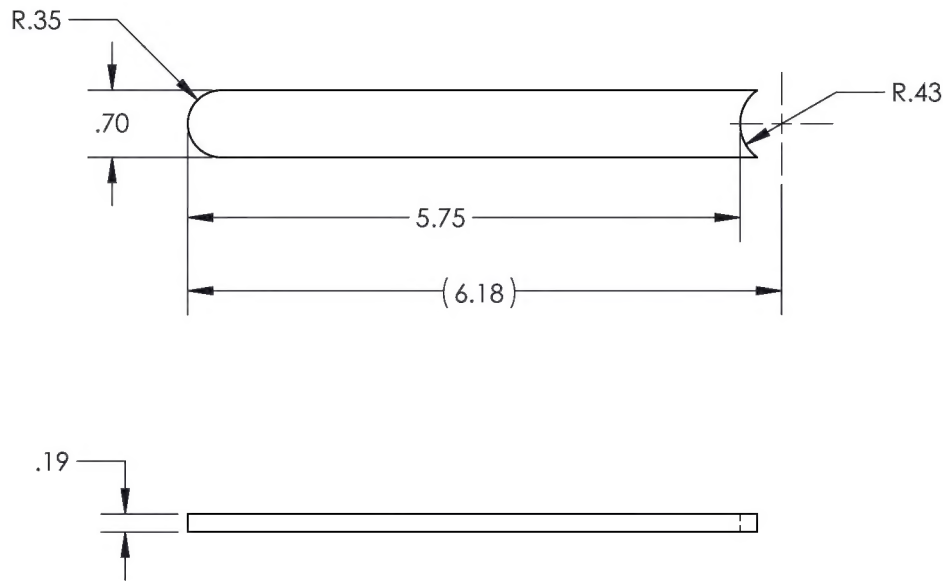
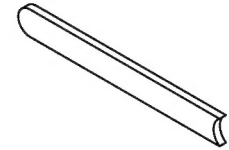
(3)

BASE

DART AEROSPACE	
TITLE WRENCH ASSY	
DWG NO. RBW109-3501-03-17-3	REV 2
MAT'L 4140/4142 HEAT TREAT RC 28-34 FINISH SEE -1 WELDMENT SPEC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX \pm .005 FRACTIONS \pm 1/8 .XX \pm .01 ANGLES \pm 5° .X \pm .1 SURFACES = 125°	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: GILBERT	USED ON MODEL
CHECKED: DUERFELDT	AW109
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: MACKOVJAK	
SCALE 1:1	DATE 4/5/2011
SHEET 3 OF 5	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0214	-5 DELETED DIM .09 X 45°, 5.93, CH'D DIM WAS (.1875) IS .19, WAS 6.18 IS (6.18), ADDED DIM 6.18, 5.75, CH'D MATERIAL WAS 4140 Q&T IS 4140/4142 ADDED HEAT TREAT RC 28-34.	11/7/2016	RJC	SM



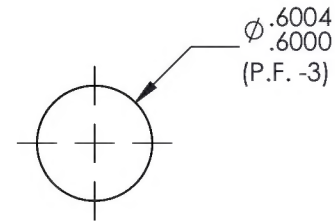
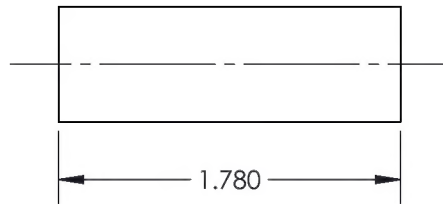
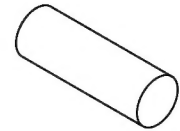
(-5)

HANDLE

DART AEROSPACE	
TITLE WRENCH ASSY	
DWG NO. RBW109-3501-03-17-5	REV 2
MAT'L 4140/4142 HEAT TREAT RC 28-34 FINISH SEE -1 WELDMENT SPEC	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125°
DRAWN BY: GILBERT CHECKED: DUERFELDT OPPS APPR: ANDERSON QA APPR: LINDSAY APPROVED: MACKOVJAK	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
SCALE 1:2	DATE 4/5/2011
SHEET 4 OF 5	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0214	-7 CH'D DIM WAS Ø.6004/.6000 IS Ø.6004/.6000 (P.F. -3).	11/7/2016	RJC	SM



(-7)

PIN

DART AEROSPACE	
TITLE WRENCH ASSY	
DWG NO. RBW109-3501-03-17-7	REV 2
MAT'L 6061	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH CLEAR ANODIZE	.XXX ± .005 FRACTIONS ± 1/8
SPEC MIL-A-8625F, TYPE II, CLASS I	.XX ± .01 ANGLES ± .5°
DRAWN BY: GILBERT	.X ± .1 SURFACES = 125°
CHECKED: DUERFELDT	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	.015 x 45° OR .015R
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY
APPROVED: MACKOVJAK	AFTER PLATING
SCALE 1:1	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DATE 4/5/2011	USED ON MODEL
	AW109
	SHEET 5 OF 5